Publication No. MA 3511-10
June 2001

MODIFICATION INSTRUCTIONS

For the

Kodak X-Omat Multiloader 300 Plus

svc. 3511

Modification 10

Type 1 Selective

Purpose: To Update the Operating Software to both eliminate timing errors and enable an interface with the **5000 PCB**.

Important : Use qualified service personnel to install this Modification

Serial No Range: up to 4511

Part No: **9229260**

Installation: 1.0 Hours

NB. This Modification should only be carried out after the installation of a 5000 PCB to the 3000 RA Integrated Processor or if the customer uses the XML300 Plus for Mammography

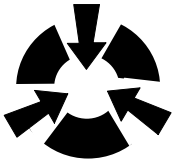
Description: Operating Software V 5.21

PLEASE NOTE

The information contained herein is based on the experience and knowledge relating to the subject matter gained by Kodak prior to publication.

No patent license is granted by this information.

Kodak reserves the right to change this information without notice, and makes no warranty, express or implied, with respect to this information. Kodak shall not be liable for any loss or damage, including consequential or special damages, resulting from the use of this information, even if loss or damage is caused by Kodak's negligence or other fault.



NOTE
This equipment includes parts and assemblies sensitive to damage from electrostatic discharge.
Use caution to prevent damage during all service procedures.

Parts List

PART NUMBER	DESCRIPTION	QTY.
9229260	**MODIFICATION KIT** (including)	1
MA3511–10	Instructions	1
9219224	Operating Software Version 5.21	1

INTRODUCTION

NB.
The new Multiloader 300/300 Plus Service software **Version 4.01** Part No. **G9904619** must be installed on the Laptop Computer prior to attempting any install of the new Operating Software Version 5.21

Summary of Software Changes

Following a failure of the 500 PCB in the 3000 RA Integrated Processor to the XML300 Plus, it will be necessary to install the new 5000 PCB.

The Operating Software 5.21 has been designed to enable the correct communication between the X-Omat Multiloader 300 Plus and the 5000 PCB.

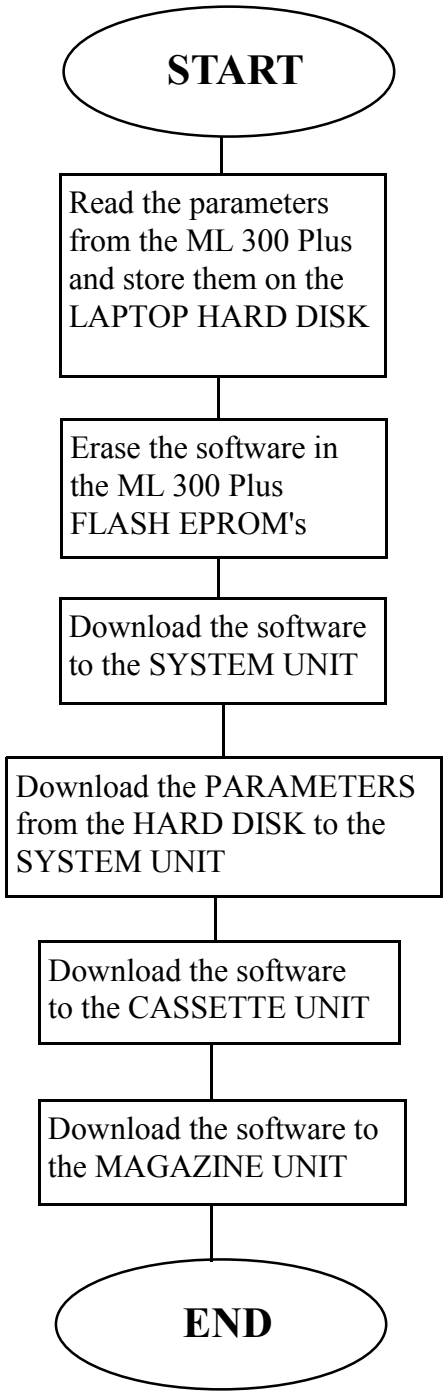
In addition to supporting the 5000 PCB the Operating Software Version 5.21 has eliminated the error where the 18 x 24 Mammography Cassette would sometimes fail to stop when exiting the entrance slot.

There is now an improved Nearly Empty procedure and the XML300 Plus now permanently monitors the number of films in the magazine.

There is also an improved film release cam action for 60 HZ units

NB. Details of changes to the 3000 RA regarding the fitting of the 5000 PCB, is available in a separate SERVICE BULLETIN No. SB 295

Information about Software Download


START
Read the parameters from the ML 300 Plus and store them on the LAPTOP HARD DISK
Erase the software in the ML 300 Plus FLASH EPROM's
Download the software to the SYSTEM UNIT
Download the PARAMETERS from the HARD DISK to the SYSTEM UNIT
Download the software to the CASSETTE UNIT
Download the software to the MAGAZINE UNIT
END

Installing Software to the Laptop

NB.

It is not possible to have two versions of Software on the Laptop at the same time so it will be necessary to store the "Diskettes" safely in order that Software Downloads may be carried out to the ML 300 and also ML 300 Plus Units that have not had the 5000 PCB FITTED

1. With the lap top running insert the "Operating Software Disk" into the "A" Drive

2. Type in **A:** and press *Enter*

3. Type in **Install** and press *Enter*

4. After a successful installation of the software to Drive C:, take out the DISKETTE and store it in a safe place.

5. Switch back to Drive C: by typing in **C:** and pressing *Enter.*

Installing Software to the XML300 Plus

6. Switch on the XML300 Plus

7. Connect the cable from the Laptop computer to the ML 300 Plus

8. Start the SERVICE SOFTWARE

   Key in CD\XML300 .....*press ENTER*
   Key in START.....*press ENTER*
   The Message "The Operating Software in the connected XML300 Plus is version 0.00" is Displayed .....Press ENTER

   Refer to II 3058-04 page 10-2 to 10-4 if necessary

9. Having selected installation and software download.
   Select the desired languages from the list (up to 4).....press ENTER

10. Download the Operating Software to the XML 300 Plus
    From DRIVE C: to the XML 300 Plus.

NOTE: Always select your own language first if you wish to overwrite the DEFAULT languages.
The DEFAULT LANGUAGES are shown marked with an asterisk (*).

* GERMAN
* FRENCH
* SPANISH
* ENGLISH

If no language is selected the 4 above DEFAULT LANGUAGES will be DOWNLOADED. If less than 4 languages are selected then, the SELECTED languages will be downloaded plus the remaining DEFAULT LANGUAGES

11. **Select Software Update** ..... *press ENTER*
Key in YES.....*press ENTER*
Do you want to update the OPERATING SOFTWARE in the SYSTEM UNIT..... *YES*

The SYSTEM OPERATING SOFTWARE will now be updated.

NB. This will take several minutes. During this time the **AMBER** and the **RED** light will flash alternately. After the software of the SYSTEM UNIT is downloaded, the **GREEN LED** will be switched on or the download will terminate with a SYSTEM ERROR (The **RED LED** will be flashing). The system error is **normal**. *This may be because the new system unit operating software does not correspond to the cassette and/or magazine unit software or a communication problem occurred between the units at the end of the download.*
Ignore the error and continue.

12. The QUESTION : *Do you want to update the OPERATING SOFTWARE in the CASSETTE UNIT*..... *Key in YES*

NB. After pressing YES the display will show “00 00 00 00 00” and the AMBER LED will be switched on.

13. Repeat for: *MAGAZINE UNIT* ..... *Key in YES*

NB. After pressing YES the display will show “00 00 00 00 00” and the AMBER LED will be switched on.

NB. You will notice that the RED LED's on the A4 and A8 PCB's are now on.

14. The software having been successfully downloaded SWITCH OFF XML 300 Plus when the Switch ICON appears on the Multiloader display. Wait for 10 seconds. before switching back on.

15. EXIT the SOFTWARE UPDATE Programme.
Press any KEY on the Laptop
Select RETURN from SOFTWARE UPDATE .....press ENTER

16. EXIT the SERVICE SOFTWARE
Press back Space twice
Select QUIT XML300 SERVICE MODE.....press ENTER
Select QUIT the PROGRAMME.....press ENTER

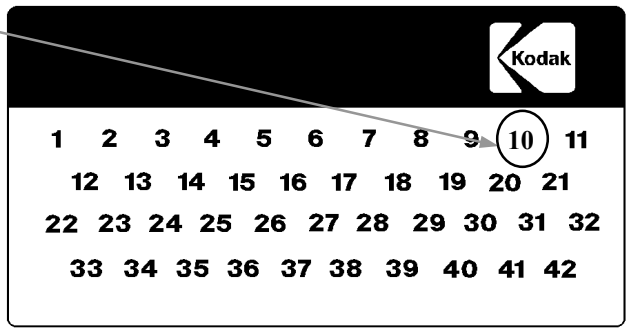
17. Check the operation of the XML300 Plus to ensure the unit is OK to hand Back to the customer. Remove the Connecting Cable from the rear of machine and replace all covers correctly.

18. Run SEVERAL films on all available SIZES

19. Circle 10 on Modification LABLE and feedback M10 to your call centre

20. Hand XML300 Plus back to the Customer

Circle 10 on Modification Label



Document prepared for Professional Services Organisation by
Mike Hall Kodak UK Health Imaging April 2001

HEALTH IMAGING DIVISION